

REMARKS

STATUS OF THE CLAIMS

In accordance with the foregoing, claims 1 and 2 have been amended. New claims 5 and 6 have been added. Claims 1-6 are pending and under consideration.

No new matter is being presented and approval of the amended claims is respectfully requested.

CHANGES TO THE DRAWINGS

On page 2, item 3, of the Office Action, the Examiner objects to the Drawings since Figs. 2 and 3 are not labeled as "PRIOR ART".

Figs. 2 and 3 are changed herein to include the label "PRIOR ART". The drawing sheet showing these changes is labeled in the top margin as "Replacement Sheet," pursuant to 37 C.F.R. §1.121(d).

Approval of the changed Drawings is respectfully requested.

REJECTIONS OF CLAIMS 1-4 FOR OBVIOUSNESS UNDER 35 U.S.C. §103(a) AS BEING UNPATENTABLE OVER PRIOR ART FIGURES 2 AND 3 IN VIEW OF SHERWOOD (U.S. PATENT NO. 4,228,475)

The rejections of claims 1-4 are respectfully traversed and reconsideration is requested.

On page 3, item 7, of the Office Action, the Examiner asserts that Sherwood discloses "a ground monitoring system comprising cables (10, 10', 10") with a ground wire connected to sensor circuits (35, 35', 35")..." However, claim 1, for example, recites connecting a 0V of the circuit system to a shield braid of a shielded cable, which is connected to an earth plate. (See Fig. 1). Thus, in the present invention, a ground wire is not connected directly to the sensor circuit, as (according to the Examiner) is disclosed by Sherwood.

Furthermore, the ground monitoring circuit in Sherwood includes a switch house 42 with a sensor circuit 35a that is connected between pilot line 18' and common ground line 45'. (Column 3, lines 32-39 and Fig. 2). Sensor circuits 35, 35a and 35b are connected to ground wires 16, 16' and 16" and the pilot cables 18 and 18' in the electric power distribution cable 10. Cable 10, as shown in Fig. 1, does not have a shield braid. Instead it is covered with a sheath 20 of elastomeric insulation. Thus, the sensor circuit in Sherwood is connected directly to a ground line. (See Fig. 2 of Sherwood). This creates precisely the problem which the present invention seeks to overcome.

Claim 1 recites connecting a 0V of a circuit system, including a sensor circuit for a sensor in an inverter unit driving a motor, with a shield braid of a shielded cable connecting the sensor circuit and the sensor. Similarly, claim 2 recites the sensor circuit is connected with the sensor by a shielded cable having a shield braid, and the shield braid is connected to a 0V of the circuit system and an earth plate outside the inverter unit. By connecting a 0V of the circuit system to a shield braid of a shielded cable, which is grounded, the influence of noise upon the circuit system can be lessened efficiently and easily.

In light of the arguments above, it is submitted that Prior Art Figs. 2 and 3 and Sherwood do not disclose the features recited in claims 1 and 2. Claims 3 and 4 depend from claim 2 and, thus, it is respectfully submitted that claims 1-4 are patentable over the references.

UNACKNOWLEDGED IDS

An IDS was filed on April 1, 2005. Enclosed is a copy of the IDS and the PTO filing receipt. However, the Examiner has not yet acknowledged the IDS.

In view of the above, it is respectfully requested that the Examiner acknowledge the IDS filed April 1, 2005.

CONCLUSION

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot. Further, all pending claims patentably distinguish over the prior art. There being not further outstanding objections or rejections, the application is submitted as being in condition for allowance, which action is earnestly solicited.

If the Examiner has any remaining issues to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such issues.

Serial No. 10/765,879

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account N. 19-3935.

Respectfully submitted,

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IN THE DRAWINGS:

In the Office Action at page 2, item 3, the Examiner objected to the Drawings. In order to overcome these objections, replacement figures are submitted herewith. In Figs. 2 and 3, the words "PRIOR ART" have been added.

Approval of these changes to the Drawings is respectfully requested.